



Samsung Instinct Motherboard Replacement

This guide shows how to remove the motherboard so that a replacement motherboard can be installed.

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INTRODUCTION

This guide shows all the steps leading up to, and including, the removal of the motherboard.



TOOLS:

- [Phillips #00 Screwdriver](#) (1)
 - [iFixit Opening Tools](#) (1)
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Step 1 — Battery



- Apply pressure to the back cover and slide it forward towards the camera.
- Lift the back cover off the phone.

Step 2



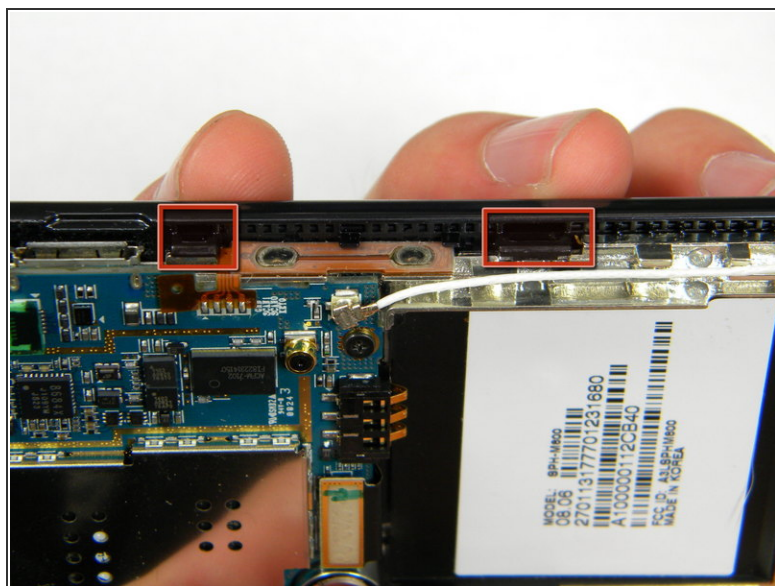
- Holding the phone firmly, use the notches to grip and lift up the battery.

Step 3 — Back Case



- Remove the four 4.45mm screws at the corners of the phone.

Step 4



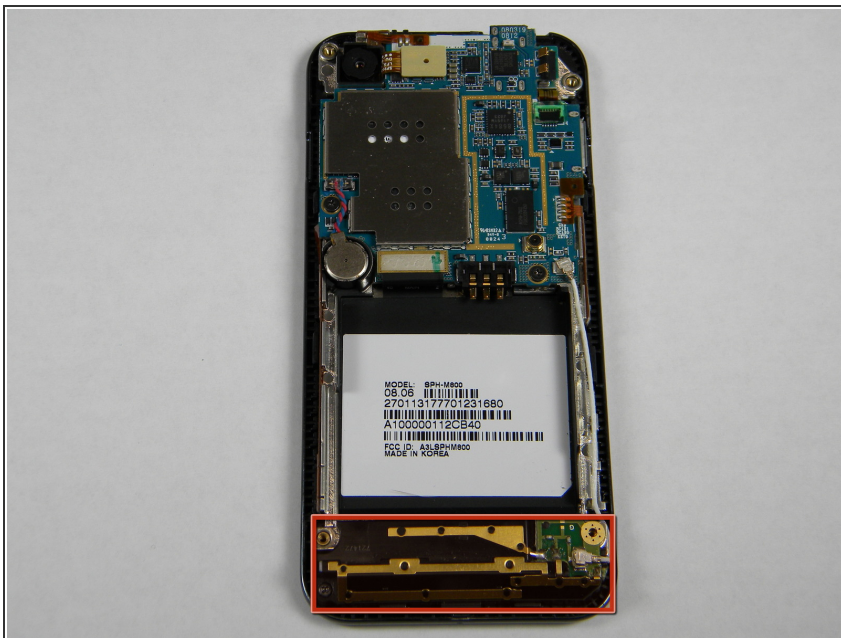
- Use the plastic opening tool to unhinge the locks around the edges of the phone.
- ⓘ Do not worry about the inner components of the phone, they are not connected to this case.

Step 5



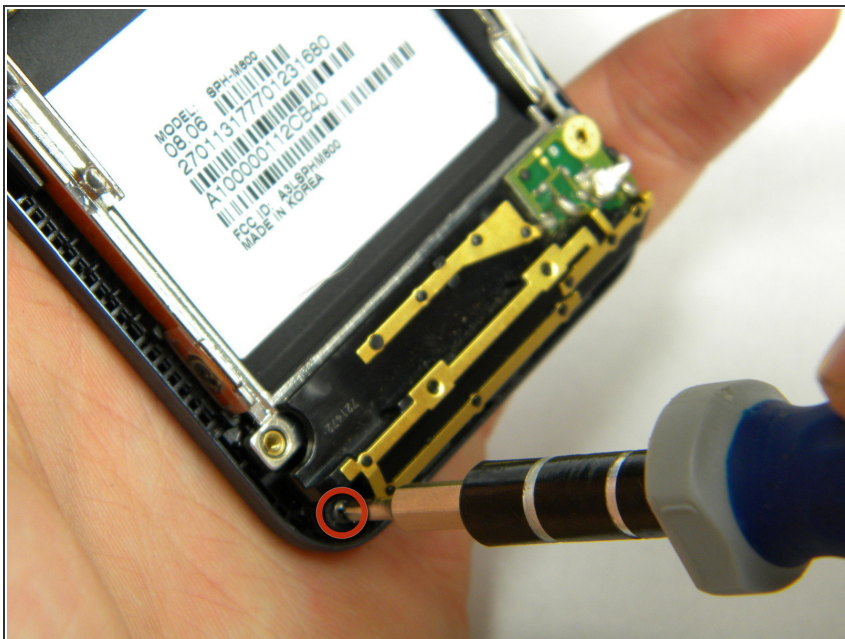
- Lift the casing off of the phone.

Step 6 — Antenna



- With the screws removed, locate the antenna.

Step 7



- Using a phillips-head screwdriver, remove the 4.50mm screw holding the antenna in place.

Step 8



- Using the plastic opener tool, squeeze gently on the antenna cable connector and lift to remove the connector from its position.

Step 9



- Gently lift up on the antenna and remove it from the back of the device.

Step 10 — Front Case



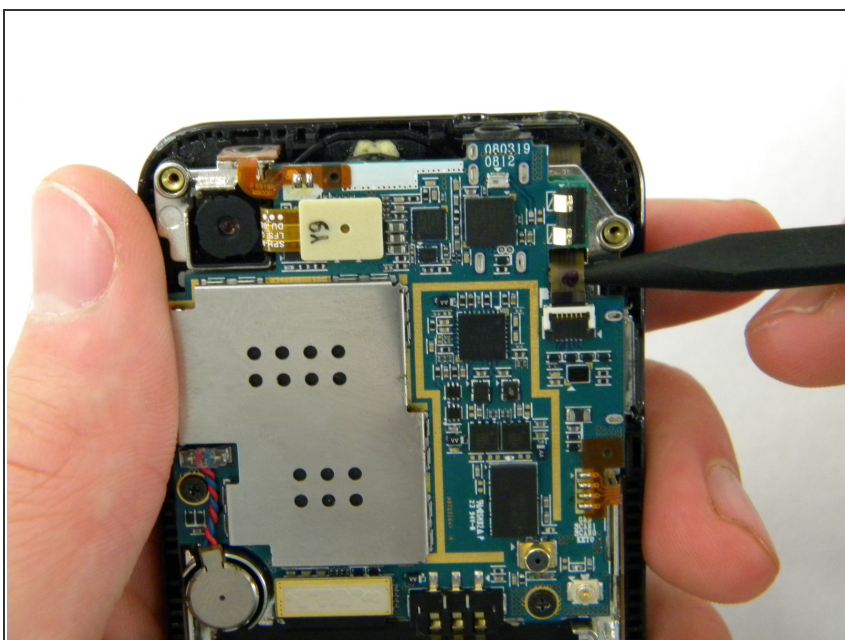
- Remove the two 3.50mm screws connecting the motherboard to the case.

Step 11



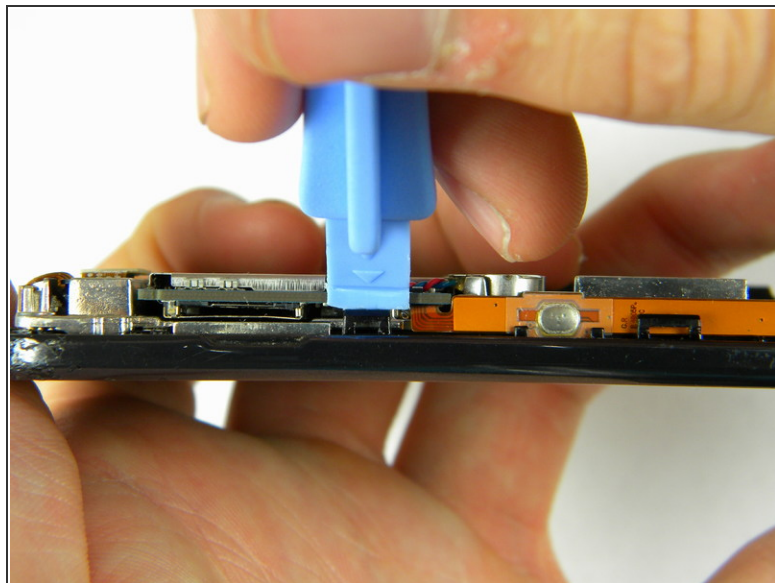
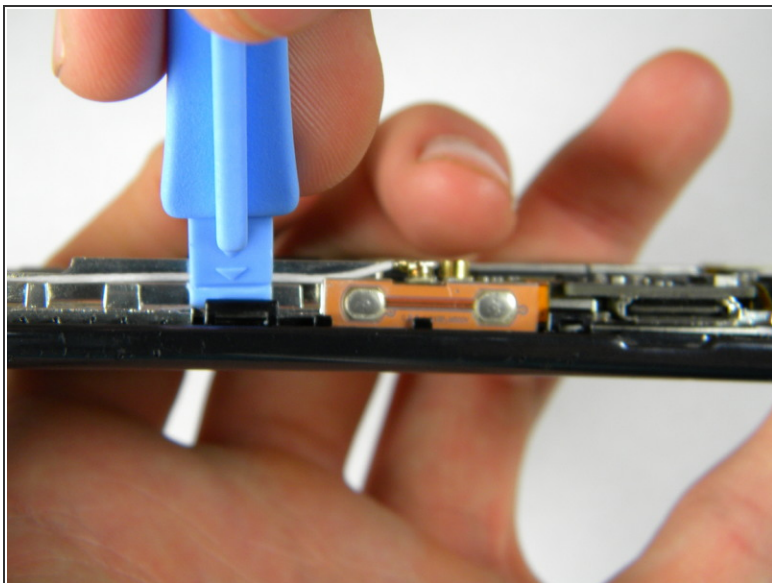
- Use the plastic opener tool to detach the three ribbons on the motherboard.

Step 12



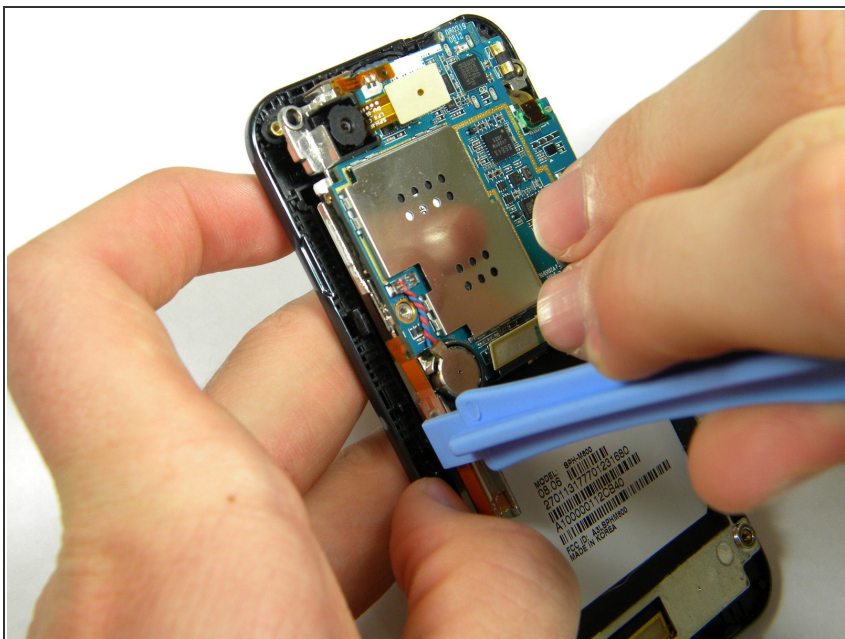
- Lift out the top right ribbon from its slot on the motherboard.

Step 13



- Use the plastic opener tool to unhinge the the locks on the side of the motherboard connecting it to the front casing.

Step 14



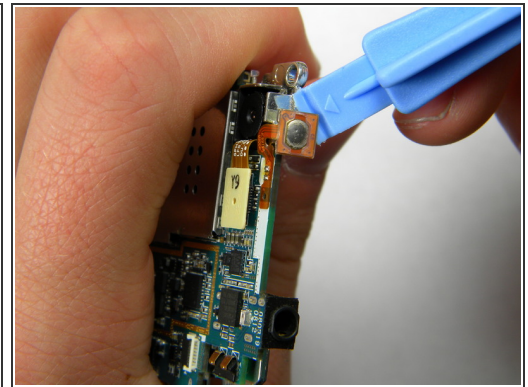
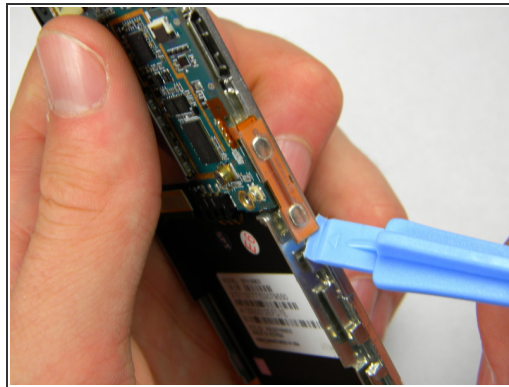
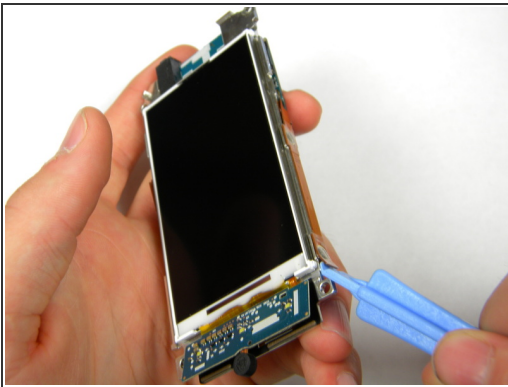
- Lift the motherboard away from the front casing.

Step 15



- After removing lifting up on the motherboard, the front casing and center frame should be separated as shown.

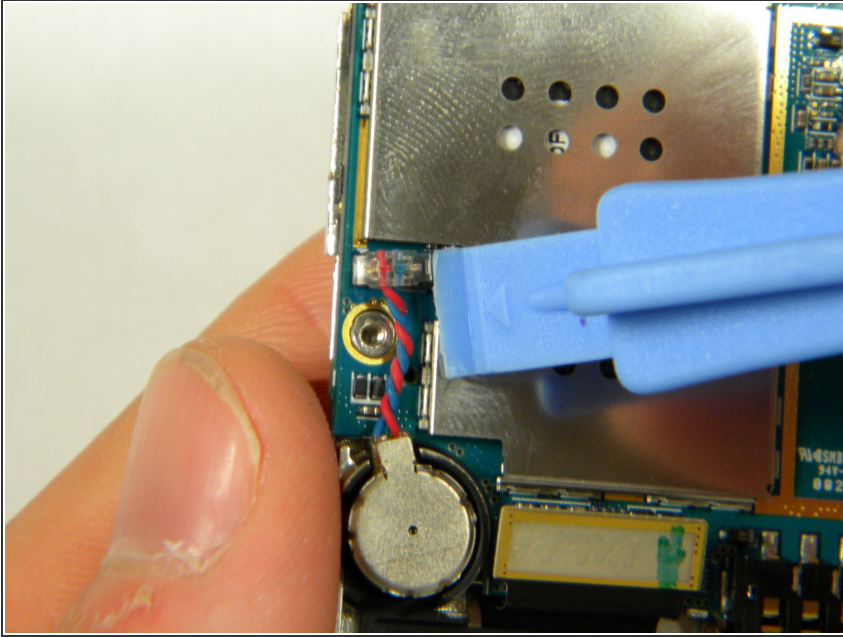
Step 16 — Motherboard



- Using the plastic opener tool, gently pry away the side strip control buttons from the metal center frame.

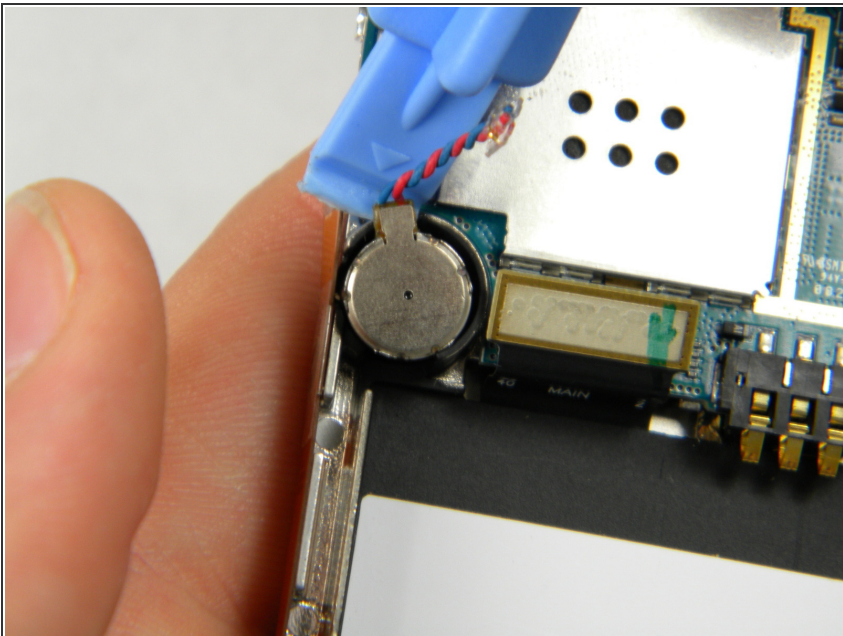
i There are three strips total: one on the right, left, and top of the phone.

Step 17



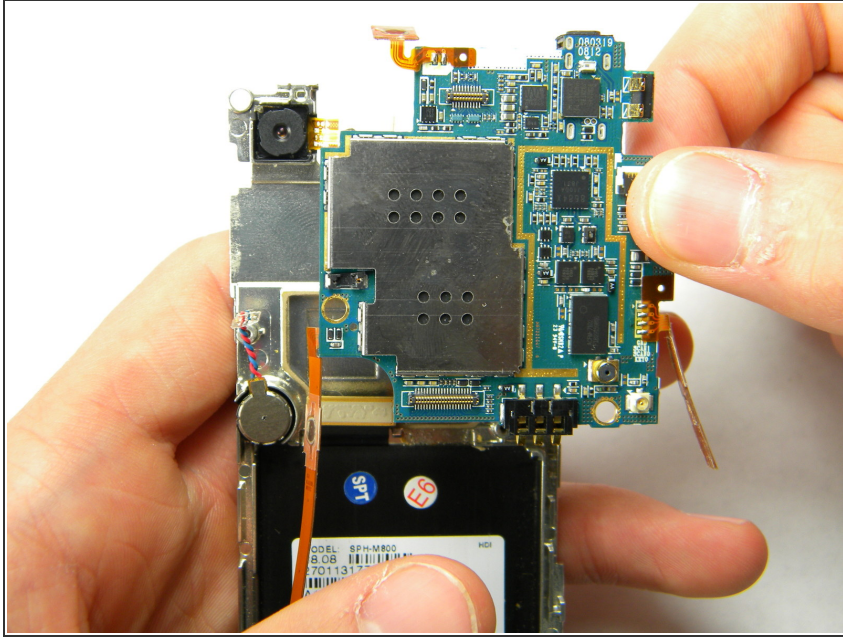
- Using the plastic opener tool, pry the speaker connector away from the back of the motherboard.

Step 18



- Using the plastic opener tool, remove the speaker from its setting.
- ⓘ Pry where the wire enters the speaker.
- ⓘ The speaker has adhesive on the bottom, thus removing it will require a bit of wiggling.

Step 19



- Gently lift the motherboard from the center frame.

To reassemble your device, follow these instructions in reverse order.

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